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battery supervision means for supervising and detecting a voltage of the battery apparatus and issuing a lowest operation voltage level alarm when the detected voltage drops to a lowest operation voltage level with which a talking function of said portable telephone apparatus can operate but issuing a supervision voltage level alarm when the voltage of said battery apparatus detected by said battery supervision means drops to a supervision voltage level different from the lowest operation voltage level.

2. A portable telephone apparatus with a battery alarm function as claimed in claim 1, wherein said battery supervision means can set the supervision voltage level to an arbitrary value.

3. A portable telephone apparatus with a battery alarm function as claimed in claim 1, wherein said battery supervision means can set a plurality of values as the supervision voltage level.

4. A portable telephone apparatus with a battery alarm function as claimed in claim 1, wherein the supervision voltage level is set higher than the lowest operation voltage level.

5. A portable telephone apparatus with a battery alarm function as claimed in claim 1, wherein said portable telephone apparatus has one, two or more additional functions different from the talking function, and the supervision voltage level is set to a voltage level with which operation of the talking function of said portable telephone apparatus is possible but operation of the additional function or functions is impossible.

6. A portable telephone apparatus with a battery alarm function as claimed in claim 1, wherein said battery supervision means issues the supervision voltage level alarm in a manner different from that of the lowest operation voltage level alarm.

7. A portable telephone apparatus with a battery alarm function as claimed in claim 3, wherein said battery supervision means issues the supervision voltage level alarm in a manner different for each of the plurality of values of the supervision voltage level.